International application No.

		PC1/	0P2004/014919			
A. CLASSIFIC	CATION OF SUBJECT MATTER					
Int.Cl'	C07K16/00, 1/02, C12N15/09					
According to Inte	ernational Patent Classification (IPC) or to both nation	al classification and IPC				
B. FIELDS SE	ARCHED					
Minimum docum	nentation searched (classification system followed by classification control c	lassification symbols)				
Int.Cl'	CO / MI / CO - 10 / 40 / CIZNID / CO - 50					
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Documentation s	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Doomicitation 2						
		<u> </u>				
Electronic data b	pase consulted during the international search (name of	data base and, where practicable, sea	arch terms used)			
JICST I	FILE (JOIS), EUROPAT (QUESTEL), 1	WEDTINE/RIOSIS/MBIDS	(DIN)			
C. DOCUMEN	VTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where a		Relevant to claim No.			
Y	JP 07-502497 A (THE WELLCOME	FOUNDATION LTD.),	1-4			
	16 March, 1995 (16.03.95), & WO 1993/008837 A1 & US	5792838 A				
		1.				
Y	WO 1999/037329 A1 (AKTIEBOLA 29 July, 1999 (29.07.99),	(G),	1-4			
	& SE 9800170 A					
			1-4			
Y	WO 2000/066160 A1 (Yamanouch Pharmaceutical Co., Ltd.),	14	1-4			
	09 November, 2000 (09.11.00)	•				
	& EP 1174148 A1					
		•				
			<u> </u>			
—	ocuments are listed in the continuation of Box C.	See patent family annex.				
Special categ "A" document decomment dec	date and not be complicated the complication but sited to understand					
to be of part	to be of particular relevance the principle or theory underlying the invention					
filing date	application or patent but published on or after the international ate "X" document of particular relevance; the claimed invention cannot be considered to involve an invented to the other than the document of particular relevance; the claimed invention cannot be considered to involve an invented to the other than the document of particular relevance; the claimed invention cannot be considered to involve an invented to the other than the o		e considered to involve an inventive			
"L" document w	which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other		e; the claimed invention cannot be			
special reaso	on (as specified) ferring to an oral disclosure, use, exhibition or other means	considered to involve an invo combined with one or more other	entive step when the document is er such documents, such combination			
"P" document published prior to the international filing date but later than		being obvious to a person skille "&" document member of the same	d in the art			
the priority (date claimed	doomnone member of the Saine				
Date of the actual completion of the international search		Date of mailing of the internation				
18 Nove	ember, 2004 (18.11.04)	07 December, 20	04 (07.12.04)			
		Authorized size				
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer				
Facsimile No. Form PCT/ISA/21	0 (second sheet) (January 2004)	Telephone No.				
1 01111 1 0 1110101011	- V					

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Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No
Y	<pre>JP 06-189781 A (Mitsui Toatsu Chemicals, Inc. 12 July, 1994 (12.07.94), (Family: none)</pre>),	1-4
A	B. CHEN, et al., Strategies To Suppress Aggregation of Recombinant Keratinocyte Growth Factor during Liquid Formulation Development, 1994, 83(12), p.1657-61		1-4
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Box No.	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This inte	rnational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. 🔀	Claims Nos.: 1-4 (part) because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: See extra sheet.
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No.	III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest
	No protest accompanied the payment of additional search fees.

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Continuation of Box No.II-2 of continuation of first sheet(2)

Claims 1-4

The degree of the "low temperature" in the above claims is indefinite, so that the claims are not clear.

The stabilization of proteins is ascertained in Examples only at 7°C, 4°C, and 1°C, so that whether the methods of the above claims are effective at temperatures higher than 7°C or lower than 1°C or not is unclear. Thus, the inventions of the above claims are inadequately supported and are not disclosed in a manner sufficiently clear and complete for the inventions to be carried out by a person skilled in the art.

No search has been made on the inventions which are inadequately supported by the description and are not clearly and completely disclosed in the description.

Claims 1, 2, 4

It is unclear what "proteins" can be stabilized by the addition of a citrate buffer in addition to "IgM" whose stabilization at low temperature is ascertained in Examples. Thus, the inventions of the above claims are inadequately supported by the description and are not disclosed in a manner sufficiently clear and complete for the inventions to be carried out by a person skilled in the art.

No search has been made on the inventions which are inadequately supported by the description and are not clearly and completely disclosed in the description.